

Notice of Allowability

Application No.

10/826,412

Applicant(s)

KIM ET AL.

Examiner

Daniel Lai

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the paper filed on 25 October 2007.
2. ☒ The allowed claim(s) is/are 26-48.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

REASONS FOR ALLOWANCE

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Henry Zykorie on November 8, 2007.

The application has been amended as follows:

In claim 48, delete comma after first word "message" on line 9, so that Claim 48, lines 8-9 now recites "...in response to a response message including an unknown unicast access terminal identifier...".

Allowable Subject Matter

Claims 26-48 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach an apparatus and a method to process a data call in a private evolution data only wireless network system, the apparatus comprising: a relay unit to relay a unicast access terminal identifier request message in response to a unicast access terminal identifier request message from a terminal entering the private evolution data only wireless network, the unicast access terminal identifier request message including a public network unicast access terminal

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identifier allocated in a public evolution data only wireless network; a call processing unit to generate a new private evolution data only wireless network unicast access terminal identifier request signal in response to the unicast access terminal identifier request message from the relay unit, and to close a session created at the terminal and the public network according to the received message in response to a received unknown unicast access terminal identifier response message corresponding to the unicast access terminal identifier request signal, and to relay a new unicast access terminal identifier request message from the terminal through the relay unit, the new unicast access terminal identifier request message including random unicast access terminal identifier information, and to send an authentication request signal to the connection terminal through the relay unit in response to a private network session being established with the terminal according to a newly allocated unicast access terminal identifier; and a session information processing unit to send a unicast access terminal identifier response message to the call processing unit in response to the private evolution data only wireless network unicast access terminal identifier request signal from the call processing unit and to allocate the new unicast access terminal identifier to the connection terminal according to the relayed new unicast access terminal identifier request message from the call processing unit to establish the private evolution data only wireless network session with the terminal, and to then store the established session information in a database thereof.

Morales et al. (US 2002/0067707, hereinafter Morales) in view of Larson (US 6,704,569) discloses an apparatus for processing a data call in a private evolution data only (EVDO) wireless network system, a relay unit relaying a unicast access terminal identifier (UATI) request message when the UATI request message is received from a terminal entering a private EVDO

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wireless network, a call processing unit generating a new private EVDO wireless network UATI request signal in response to the UATI request message relayed by the relay unit, a session information processing unit for providing a UATI response message to the call processing unit in response to the private EVDO wireless network UATI request signal generated from the call processing unit and the networks are public and private.

Therefore, Morales in view of Larson discloses a system and method for handoff and data transfer between public and private EVDO networks, however, does not teach the call processing unit to close a session created at the terminal and the public network according to the received message in response to a received unknown unicast access terminal identifier response message corresponding to the unicast access terminal identifier request signal and to relay a new unicast access terminal identifier request message from the terminal through the relay unit. The references also fail to teach the session information processing unit to allocate the new unicast access terminal identifier to the connection terminal according to the relayed new unicast access terminal identifier request message from the call processing unit to establish the private evolution data only wireless network session with the terminal, and to then store the established session information in a database thereof.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Lai whose telephone number is (571) 270-1208. The examiner can normally be reached on Monday – Thursday, 9:00 a.m. – 4:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on (571) 272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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D.L.


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